

C&DH

2A LOSS OF PCS TELEMETRY

PCS

MDM
Connection
Failed Message
Box

User Notification

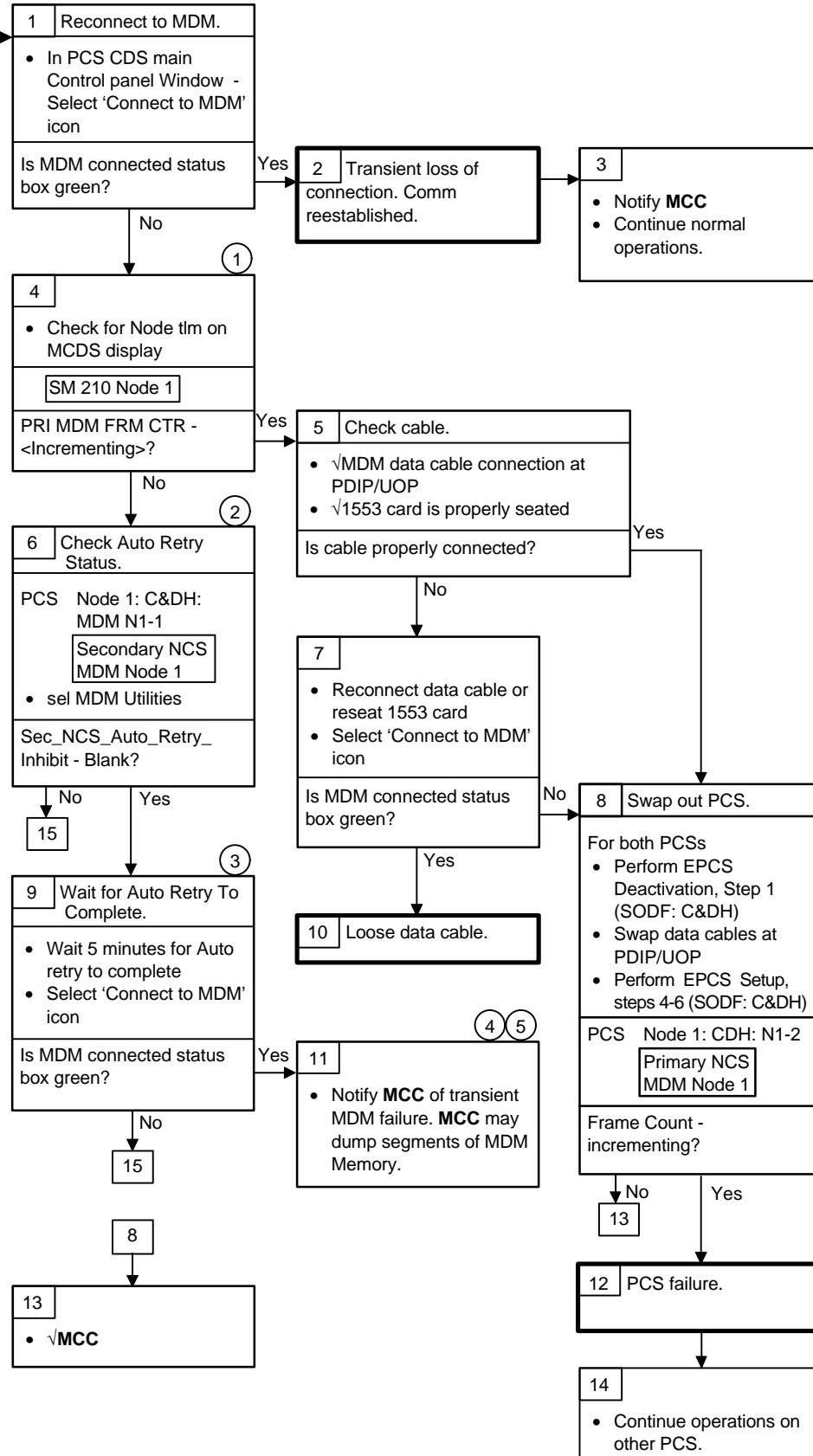
Connect Box
status - Yellow

PCS

Node 1: CDH:
MDM1-2
Frame Count -
not incrementing

Nominal Config:

MDM N1-2 - Prim
MDM N1-1 - Sec
One PCS connected
to N1-1
One PCS connected
to N1-2



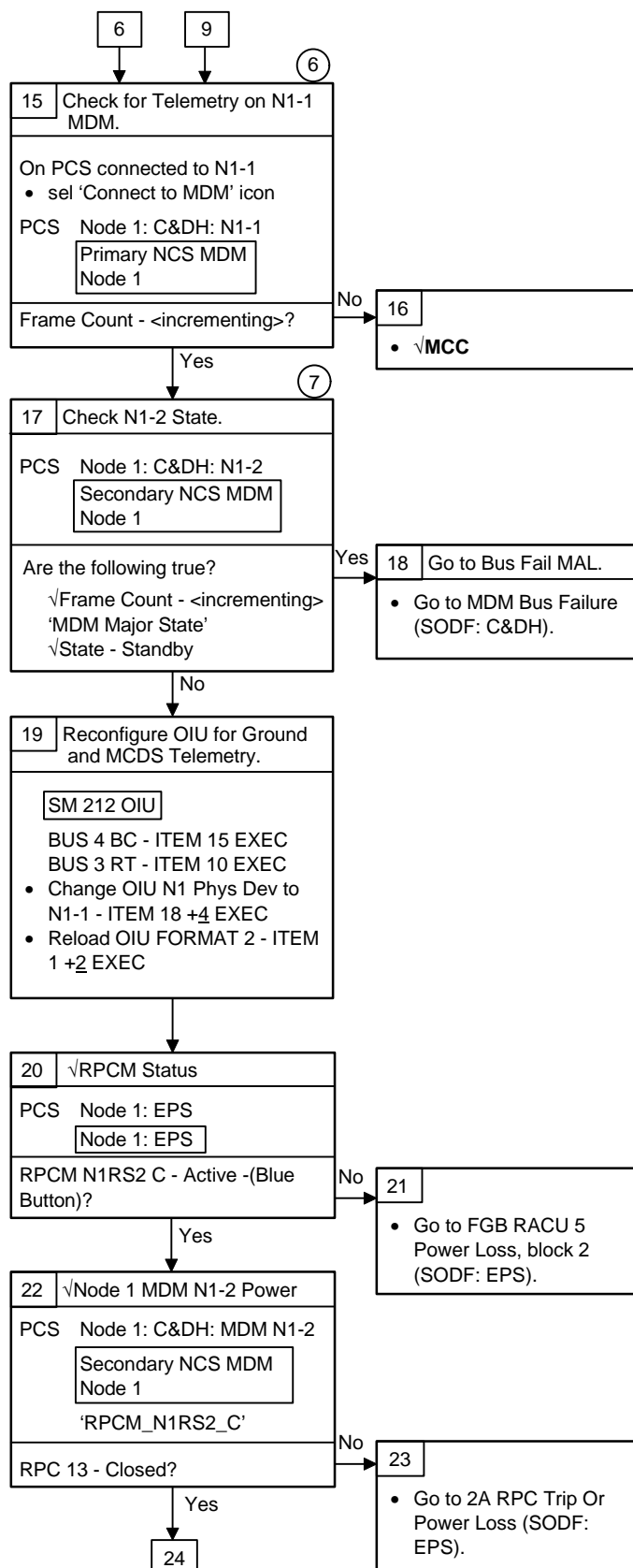
①
Checking MCDS for updating Frame Count verifies Node MDM is outputting telemetry.

②
Data will be static. PCS maintains the last valid status of Secondary MDM autoretry status after telemetry is lost.

③
Auto Retry will power cycle failed MDM and Command it back to Primary.

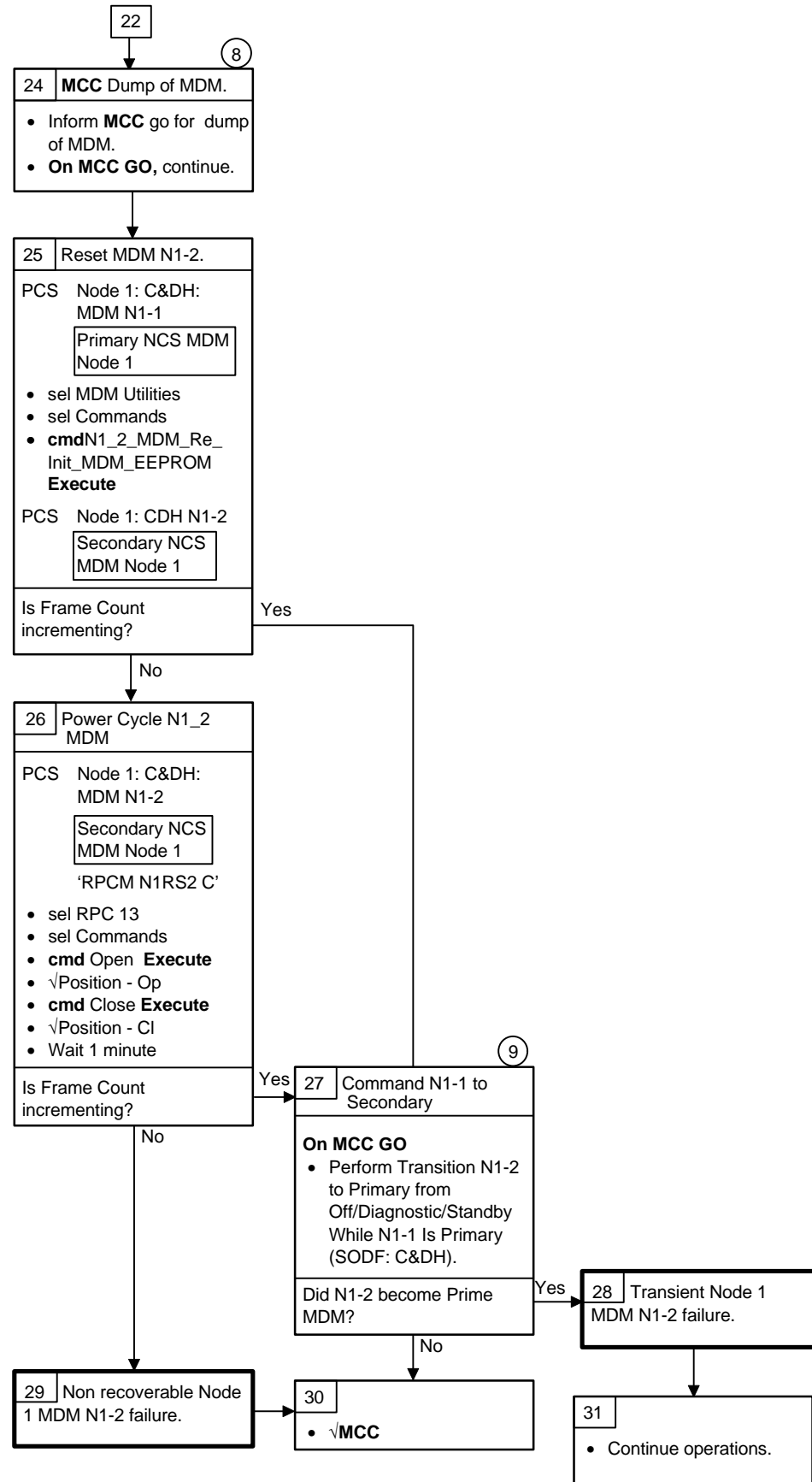
④
MCC may dump EEPROM Error log buffer to determine the cause of MDM failure.

⑤
MCC will reset Auto Retry Counter.



⑥
If N-2 has failed, N1-1 will automatically take over as primary.

⑦
If UB Orb N1-2 Bus fails, N-2 will command itself to standby and wait longer than normal allowing N1-1 to become primary MDM.



- ⑧ **MCC** may dump All or part of MDM memory.
- ⑨ Commanding N1-1 to Secondary will allow N1-2 to become Prime.